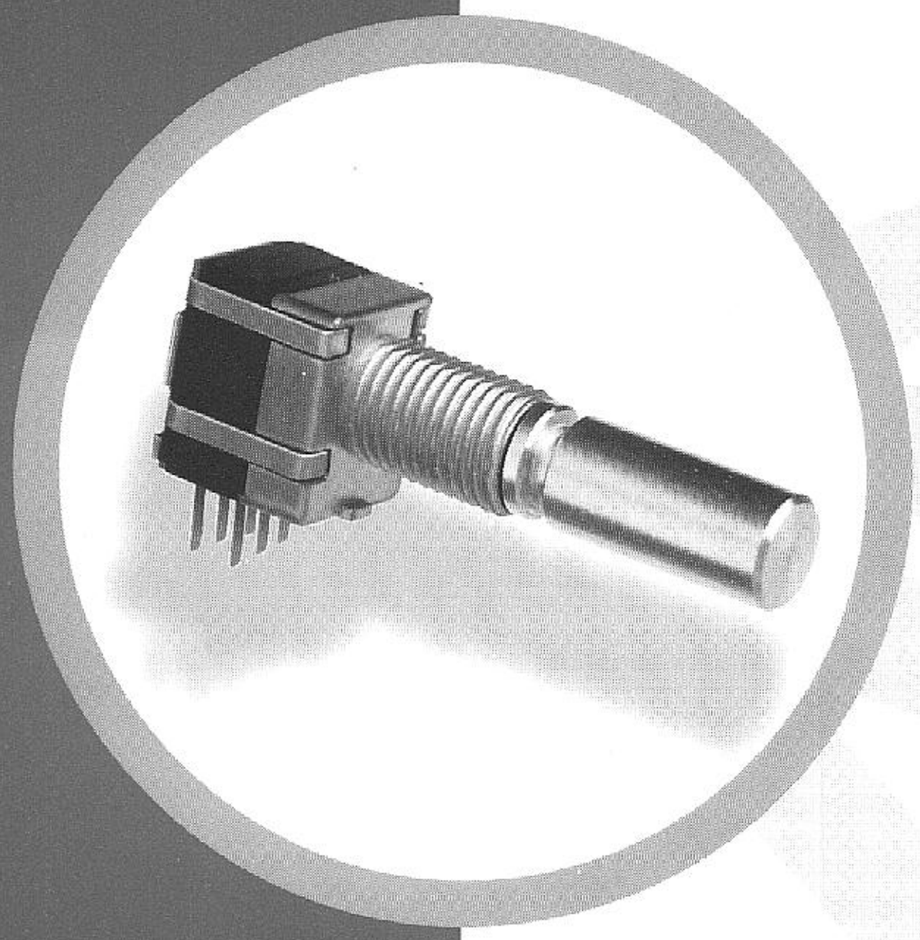
Model 580

NEW

Commercial Potentiometers



FEATURES:

- *Conductive Plastic Element*
- *Smooth Feel*
- *High Rotational Life*
- *Quiet Electrical Output*
- *Robust Construction*

Electrical

RESISTANCE RANGE:
200Ω to 2.5 megΩ - Linear
1.0KΩ to 1.0 megΩ - Non-linear

RESISTANCE TOLERANCE:
±20% standard

LINEARITY: ±5% Independent
(through 100K Ω)

POWER RATING:
Bushing Mount
0.10 Watt @ 40°C- Linear Taper
0.05 Watt @ 40°C- Non-Linear
PC Mount
0.05 Watt @ 40°C
Derate to 0 Watt @ 100°C

MINIMUM RESISTANCE:
10Ω Max. Each End- Linear
10Ω Max. Low End,
1% High End- Non-Linear

MAXIMUM CONTINUOUS WORKING VOLTAGE:
100 VAC

DIELECTRIC WITHSTANDING VOLTAGE:
Sea Level- 300 VAC

DYNAMIC NOISE (CRV):
2% of Rt Standard Linear

Mechanical

MATERIALS OF CONSTRUCTION:
Housing- Molded Thermoplastic
Shaft- Metal
Wiper- Metal Contact Spring
Bushing- Metal

CONSTRUCTION:
Mounting- Bushing
PC
Locating Pin- @ 6 o'clock
No pin, optional
Not sealed for washing

TERMINALS:
Number- 3 in Line
Type- PC Pins on 0.100" Grid Standard
Strength- 2 lb Push & Pull

MECHANICAL ROTATION:
295° ± 5°

TORQUE:
Operating- 0.2 to 2.5 oz. in. @ 25°C,
0.5 oz. in. Variation in a Control
Stop- 3 in. lbs.

Marking

Ink Stamp on Periphery or Rear
per EIA Standard

Environmental

STORAGE TEMPERATURE:
-40°C to +100°C

TEMPERATURE CYCLING:
-40°C to +100°C
(5 cycles, 4 % Δ Rt)

LOAD LIFE:
1000 hrs. Rated Load @ 40°C
(10% Δ Rt)

ROTATIONAL LOAD LIFE:
40,000 cycles (10% Δ Rt)

ISO 9001 CERTIFIED

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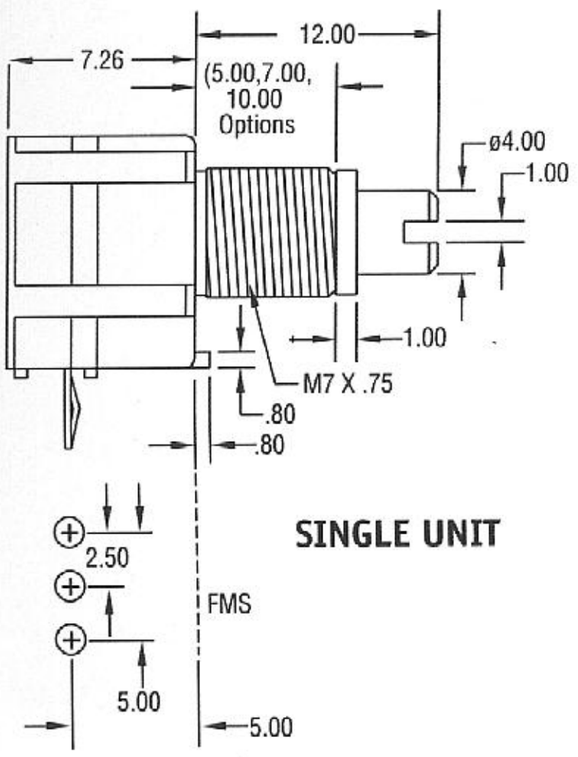
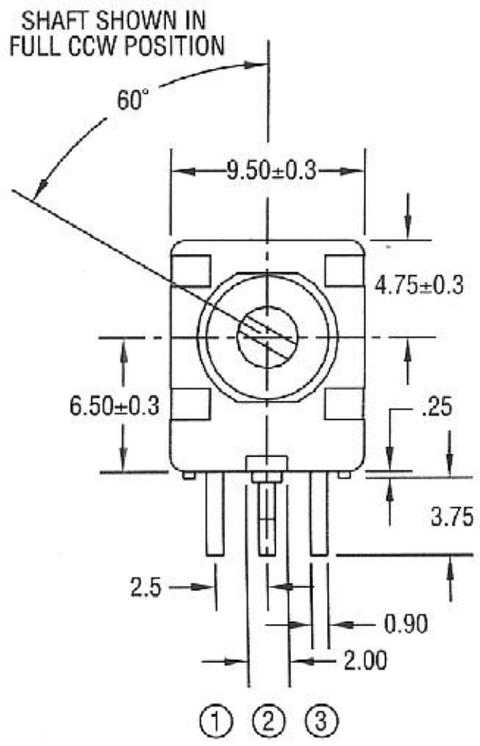
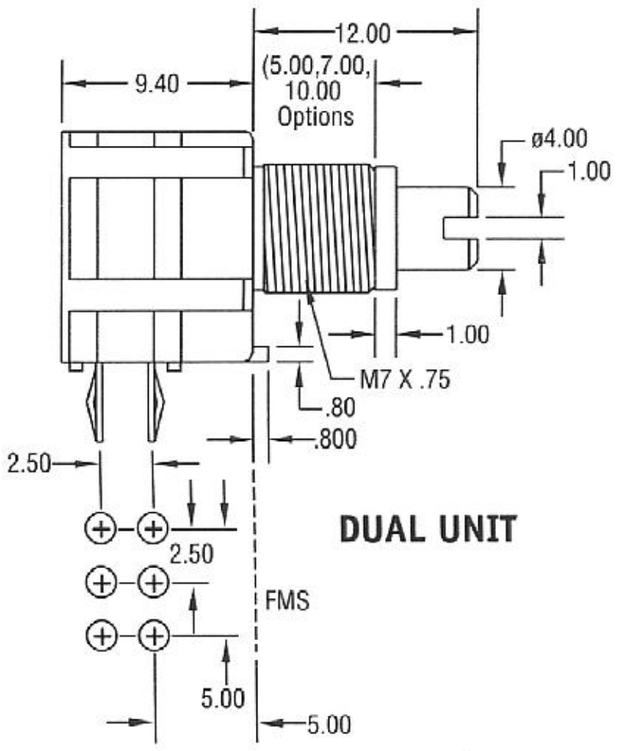
CLAROSTAT

DIMENSIONS



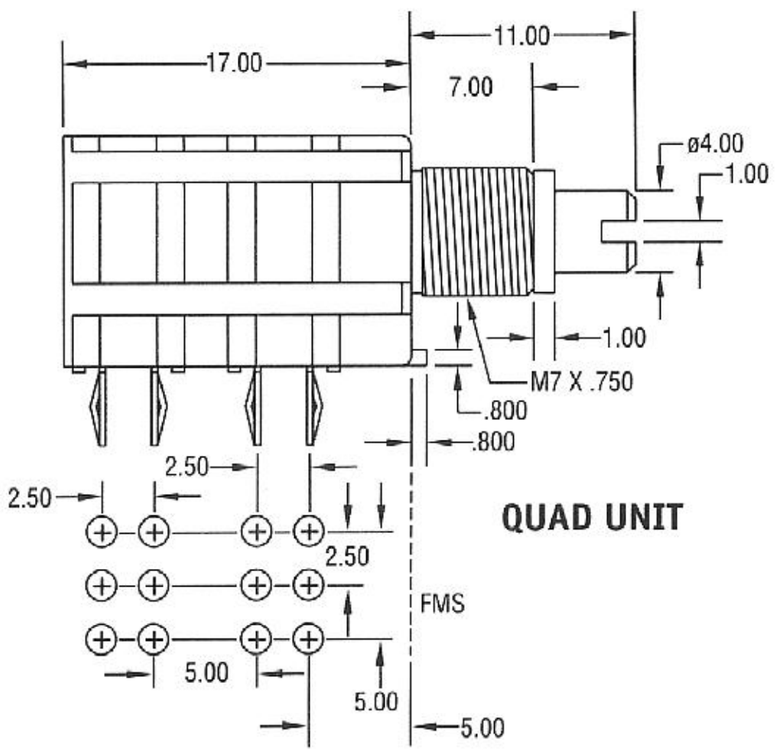
SINGLE UNIT





DUAL UNIT

All dimensions are metric. End view is the same for all styles. Other combinations are available, including, custom cables, mountings, value-add options and subassemblies. Model 580 and other Clarostat commercial potentiometers replace competitive models by Alps, Panasonic, Taiwan Alpha and others.
Call 800-874-1874 for details.



QUAD UNIT

Ask about other stock and custom Clarostat position sensing solutions, including commercial and industrial variable resistors, digital-output optical and mechanical encoders, custom position sensing elements, specialty trimmers and fixed resistors.

CONSTRUCTION FEATURES:

- *Single Shafts:*
  Single unit, Dual unit (one or two elements), Quad unit or Octo unit
- *Concentric Shafts:*
  Dual unit
  Quad unit
  Outer drives sections 3 & 4
  Inner drives sections 1 & 2
- *Shaft Lengths up to 35mm*
  Shaft Ends - Plain Rounded
  - Flatted
  - Slotted
  - Knurled, 18 Teeth
- *Shaft Diameters - 3mm to 6mm*
- *Bushing - M7 X .75; 5, 7 & 10mm long*
- *Detents - Center*
  - Other Detents, consult factory
- *Mounting Height, PC Board to Shaft Center*
  - 6.5mm Standard
  - 12.5mm optional
- *Mounting Support Brackets-*
  "B" Style on rear
- *Rotary Switch - 10 mA, 12 VDC, SPST*

Additional Styles (consult factory)
- *Center tap*
- *Digital output*
- *Push-latch*
- *Momentary switch*
- *Vertical mounting "C" style*

ORDERING INFORMATION

To order or for custom applications, call 800-874-1874

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